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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/593,668

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Neil Buxton

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EXAMINER

ROCHE, JOHN B

ART UNIT

PAPER NUMBER

2184

MAIL DATE

DELIVERY MODE

12/10/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/593,668	<b>Applicant(s)</b> BUXTON ET AL.	
	<b>Examiner</b> JOHN B. ROCHE	<b>Art Unit</b> 2184	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 September 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 September 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                      |                                                                   |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____                                                          | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Drawings***

1. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 3, 6-7, 9, 12-13, 15 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Jacobs (US 6,618,788).

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4. Referring to claim 7, Jacobs'788 anticipates a host apparatus arranged to transmit commands to an external storage medium device connected to the host apparatus over an external databus which is arranged in accordance with one of the IEEE 1394 standard and the USB standard, the host apparatus comprising: a command bus and a command interface arranged with one of the ATA/IDE standard and the Serial ATA standard for transmitting commands to a storage medium device over the command bus (register-based ATA host driver 134 as seen in figure 8 and column 6, line 29); and at least one integrated circuit chip connected to the command bus and having terminals for connection to the external databus (MSC driver 190, USB driver 192 and USB host controller 194 as seen in figure 8 and column 6, line 31), the integrated circuit chip having an interface arranged to convert commands received from the command bus in accordance with one of the ATA/IDE standard and the Serial ATA standard into a format in accordance with said one of the IEEE 1394 standard and the USB standard (MSC packets transmitted to and from USB driver 192 as seen in figure 8), and to supply the converted commands to the terminals for connection to the external databus (USB host controller 194 receives USB packets to send through USB PHY 196 as seen in figure 8).

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5. Note that claims 1 and 13 contain the corresponding limitations of claim 7 as shown above; therefore, they are rejected using the same reasoning accordingly.

6. As to claim 9, Jacobs'788 anticipates the host apparatus according to claim 7, wherein said one of the ATA/IDE standard and the Serial ATA standard is the ATA/IDE standard (register-based ATA host driver 134 as seen in figure 8 and column 6, line 29).

7. Note that claims 3 and 15 contain the corresponding limitations of claim 9 as shown above; therefore, they are rejected using the same reasoning accordingly.

8. As to claim 12, Jacobs'788 anticipates the host apparatus according to claim 7, wherein the interface of the integrated circuit chip comprises: a first layer arranged in accordance with said one of the ATA/IDE standard and the Serial ATA standard to receive commands from the command bus (MSC driver 190 has data written to it from register-based ATA host driver as seen in figure 8 and column 6, lines 29-31); a second layer arranged to convert commands output from the first layer into a format in accordance with said one of the IEEE 1394 standard and the USB standard (USB driver 192); and a third layer arranged in accordance with said one of the IEEE 1394 standard and the USB standard to transmit the converted commands over the external

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databus (USB host controller 194 receives USB packets to send through USB PHY 196 as seen in figure 8).

9. Note that claims 6 and 18 contain the corresponding limitations of claim 12 as shown above; therefore, they are rejected using the same reasoning accordingly.

***Claim Rejections - 35 USC § 103***

10. Claims 2, 4-5, 8, 10-11, 14 and 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jacobs'788 in view of Hatano (US 2002/0002645), hereafter referred to as Hatano'645.

11. As to claim 8, Jacobs'788 does not teach the host apparatus according to claim 7, wherein the host apparatus is a digital television receiver apparatus.

12. Hatano'645 teaches the host apparatus according to claim 7, wherein the host apparatus is a digital television receiver apparatus (1394 bus may couple a digital broadcast receiving device and a digital television, paragraph 5, lines 5-7).

13. It would have been obvious to one of ordinary skill in the art at the time of invention to modify Jacobs'788's system to incorporate, as taught by Hatano'645, the host apparatus according to claim 7, wherein the host apparatus is a digital television receiver apparatus. The motivation to combine these teachings is to provide reliable communication and control among

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electronic devices coupled through different types of interfaces (paragraph 15, lines 1-4).

14. Note that claims 2 and 14 contain the corresponding limitations of claim 8 as shown above; therefore, they are rejected using the same reasoning accordingly.

15. As to claim 10, Hatano'645 teaches the host apparatus according to claim 7, wherein said one of the IEEE 1394 standard and the Universal Serial Bus standard is the IEEE 1394 standard (1394 controller 5 coupled to 1394 interface unit 9 as seen in figure 1 and paragraph 34, lines 13-14).

16. Note that claims 4 and 16 contain the corresponding limitations of claim 10 as shown above; therefore, they are rejected using the same reasoning accordingly.

17. As to claim 11, Hatano'645 teaches the host apparatus according to claim 10, wherein said one of the IEEE 1394 standard and the Universal Serial Bus standard is the IEEE 1394 standard including the Serial Bus Protocol (SBP2 communication protocol used to control the 1394 HDD device, paragraph 9, lines 2-3).

18. Note that claims 5 and 17 contain the corresponding limitations of claim 11 as shown above; therefore, they are rejected using the same reasoning accordingly.

***Response to Arguments***

19. Applicant's arguments, see page 9, lines 9-12, filed September 8, 2008, with respect to the objections to the specification have been fully considered and are persuasive. The objection of the specification has been withdrawn.

20. Applicant's arguments with respect to claims 1, 7 and 13 have been considered but are moot in view of the new ground(s) of rejection.

21. Examiner respectfully submits that the new grounds of rejection, as shown above, anticipate or teach what the inventor regards as his invention.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOHN B. ROCHE whose telephone number is (571)270-1721. The examiner can normally be reached on 8:30 am - 5:00 pm, M-F EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Tsai can be reached on 571-272-4176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JR

**/Henry W.H. Tsai/  
Supervisory Patent Examiner, Art Unit 2184**